

APPLICANT FACSIMILE OF FORM PTO-1449

REV 7-80

U.S. DEPARTMENT OF
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GFN-5341

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LIST OF PUBLICATIONS CITED BY APPLICANT
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APPLICANT

Andrea Dessen et al.

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1652/631

U.S. PATENT DOCUMENTS

EXAMINE R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
we	A1	5,221,410	06/93	Kushner et al.	156	600	
we	A2	5,322,776	06/94	Knopf et al.	435	69.1	
we	A3	5,328,842	07/94	Chiou et al.	435	240.2	
we	A4	5,354,677	10/94	Knopf et al.	435	198	
we	A5	5,527,698	06/96	Knopf et al.	435	198	
we	A6	5,593,878	01/97	Knopf et al.	435	198	
we	A7	5,466,595	11/95	Jones et al.	435	240.2	
we	A8	5,554,511	09/96	Jones et al.	435	69.1	
we	A9	5,589,170	12/96	Jones et al.	424	94.6	
we	A10	5,840,511	11/98	Jones et al.	435	19	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

we	A11	Bacon, D. J., and Anderson, W. F. (1988). A fast algorithm for rendering space-filling molecule pictures. J. Mol. Graph. 6, 219-220
we	A12	Balboa, M. A. et al., (1997). Identity between the Ca ²⁺ -independent phospholipase A ₂ enzymes from P388D ₁ macrophages and chinese hamster ovary cells. J. Biol. Chem. 272, 8576-8580
we	A13	Bonventre, J. V. et al., (1997) Reduced fertility and postischemic brain injury in mice deficient in cytosolic phospholipase A ₂ . Nature 390, 622-625
we	A14	Börsch-Haubold, A. G. et al., (1998). Identification of the phosphorylation sites of cytosolic phospholipase A ₂ in agonist-stimulated human platelets and HeLa cells. J. Biol. Chem. 273, 4449-4458
we	A15	Bricogne, G. (1993). Direct phase determination by entropy maximization and likelihood ranking: status report and perspectives. Acta Cryst. D49, 37-60
we	A16	Brünger, A. T. et al. (1990) Slow-cooling protocols for crystallographic refinement by simulated annealing. Acta Cryst. A46, 585-593
we	A17	Brünger, A.T. (1992a). The free R value: a novel statistical quantity for assessing the accuracy of crystal structures. Nature 355, 472-474
we	A18	Clark, J. D. et al. (1991). A novel arachidonic acid-selective cytosolic PLA ₂ contains a Ca ²⁺ -dependent translocation domain with homology to PKC and GAP. Cell 65, 1043-1051.
we	A19	Clark, J. D. et al. (1995). Cytosolic phospholipase A ₂ . Lipid Mediators Cell Signalling 12, 83-117.

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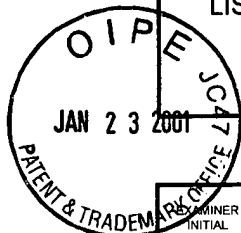
B1	Cleland, W. W., and Kreevoy, M. M. (1994). Low-barrier hydrogen bonds and enzymic catalysis. <i>Science</i> 264, 1887-1890.
B2	Collaborative Computing Project Number 4 (1994) "The CCP4 suite: programs for protein crystallography," <i>Acta Crystallogr. S</i> 760-763.
B3	Cowtan, K. D. and Main, P. (1996). Phase combination and cross validation in iterated density modification calculations. <i>Acta Crystallogr. D</i> 42, 43-48.
B4	Cygler, M. and Schrag, J. D. (1997). Structure as basis for understanding interfacial properties of lipases. <i>Meth. Enzymol.</i> 284, 3-27
B5	Dennis, E. A. (1997). The growing phospholipase A ₂ superfamily of signal transduction enzymes. <i>Trends Biochem. Sci.</i> 22, 1-2.
B6	De Carvalho, M. G. S. et al., (1996). Identification of phosphorylation sites of human 85kda cytosolic phospholipase A ₂ expressed in insect cells and present in human monocytes. <i>J. Biol. Chem.</i> 271, 1-11.
B7	Derewenda, Z. S. and Derewenda, U. (1991). Relationships among serine hydrolases: evidence for a common structural motif in triacylglyceride lipases and esterases. <i>Biochem. Cell. Biol.</i> 69, 842-851
B8	Dessen et al., "Crystal structure of human cytosolic phospholipase A2 reveals a novel topology and catalytic mechanism," <i>Cell</i> , 1999; 97:349-360
B9	Duggleby, H. J. et al. (1995). Penicillin acylase has a single-amino-acid catalytic centre. <i>Nature</i> 373, 264-268
B10	Essen, L.-O. et al. (1996). Crystal structure of a mammalian phosphoinositide-specific phospholipase C. <i>Nature</i> 380, 595-602
B11	Glaser, K.B., "Regulation of phospholipase A2 enzyme: selective inhibitors and their pharmacological potential," <i>Adv. Pharm.</i> 1995 32:31-66
B12	Glover, S. et al. (1995) Translocation of the 85-kDa phospholipase A ₂ from cytosol to the nuclear envelope in rat basophilic leukemia cells stimulated with calcium ionophore or IgE/antigen. <i>J. Biol. Chem.</i> 270, 15359-15367
B13	Grobler, J. A. et al. (1996). C2 domain conformational changes in phospholipase C. <i>Nat. Struct. Biol.</i> 3, 788-795.

Examiner

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1682

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

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C1	Hanel, A. M., and Gelb, M. H. (1993). Processive interfacial catalysis by mammalian 85-kilodalton phospholipase A ₂ enzymes on product-containing vesicles: application to the determination of substrate preferences. <i>Biochemistry</i> 32, 5949-5958
C2	Hanel, A. M. et al. (1995). Multiple enzymatic activities of the human cytosolic 85-kDa phospholipase A ₂ : hydrolytic reactions and acyl transfer to glycerol. <i>Biochemistry</i> 34, 7807-7818
C3	Hattori, M. et al. (1994). The catalytic subunit of bovine brain platelet-activating factor acetylhydrolase is a novel type of serine esterase. <i>J. Biol. Chem.</i> 269, 23150-23155.
C4	Hattori, M. et al. (1995). Cloning and expression of a cDNA encoding the beta-subunit (30-kDa subunit) of bovine brain platelet-activating factor acetylhydrolase. <i>J. Biol. Chem.</i> 270, 31345-31352
C5	Hendrickson, W. A. (1991). Determination of macromolecular structures from anomalous diffraction of synchrotron radiation. <i>Science</i> 254, 51-58
C6	Hendrickson, W. A. et al., (1997) "Phase determination from multiwavelength anomalous diffraction measurements," <i>Methods Enzymol.</i> 276, 494-523
C7	Hixon, M. S. et al. (1998). Calcium-dependent and -independent interfacial binding and catalysis of cytosolic group IV phospholipase A ₂ . <i>Biochemistry</i> 37, 8516-8526
C8	Huang, Z. et al., (1996). Functional identification of the active-site nucleophile of the human 85-kDa cytosolic phospholipase A ₂ . <i>Biochemistry</i> 35, 3712-3721
C9	Kramer, R. M. et al., (1991). The Ca ²⁺ -sensitive cytosolic phospholipase A ₂ is a 100-kDa protein in human monoblast U937 cells. <i>J. Biol. Chem.</i> 266, 5268-5272
C10	Kraulis, P. J. (1991). MOLSCRIPT: a program to produce both detailed and schematic plots of protein structures. <i>J. Appl. Cryst.</i> 24, 946-950
C11	Leslie, C. C. et al. (1990). Anionic phospholipids stimulate an arachidonoyl-hydrolyzing phospholipase A ₂ from macrophages and reduce the calcium requirement for activity. <i>Biochim. Biophys. Acta</i> 1045, 261-270
C12	Leslie, C. C. (1997). Properties and regulation of cytosolic phospholipase A ₂ . <i>J. Biol. Chem.</i> 272, 16709-16712
C13	Lin, L.-L., Lin, A. Y., and DeWitt, D. L. (1992a) IL-1 induces the accumulation of cPLA2 and the release of PGE ₂ in human fibroblasts. <i>J. Biol. Chem.</i> 267, 23451-23454

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

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unpub	D1	Lin, L.-L., Lin, A. Y., and Knopf, J. L. (1992b) Cytosolic phospholipase A ₂ is coupled to hormonally regulated release of arachidonic acid. Proc. Natl. Acad. Sci. USA 89, 6147-6151
ne	D2	Lin, L.-L., Wartmann, M., Lin, A. Y., Knopf, J. L., Seth, A., and Davis, R. J. (1993) cPLA ₂ is phosphorylated and activated by MAP kinase. Cell 72, 269-278
ne	D3	Makino et al., "Automated flexible ligand docking method and its application for database search," J. Comp. Chem., 1997; 18:1812-1825
ne	D4	Matagne, A. et al. (1998). Catalytic properties of class A -lactamases: efficiency and diversity. Biochem. J. 330, 581-598
ne	D5	Mosior, M. et al. (1998). Group IV cytosolic phospholipase A ₂ binds with high affinity and specificity to phosphatidylinositol 4,5-bisphosphate resulting in dramatic increases in activity. J. Biol. Chem. 273, 2184-2191
ne	D6	Nalefski, E. A. et al. (1994) Delineation of two functionally distinct domains of cytosolic phospholipase A ₂ , a regulatory Ca ²⁺ -dependent lipid-binding domain and a Ca ²⁺ -independent catalytic domain. J. Biol. Chem. 269, 18239-18249
ne	D7	Nalefski, E. A., and Falke, J. J. (1996). The C2 domain calcium-binding motif: structural and functional diversity. Protein Sci. 12, 2375-2390
ne	D8	Nalefski, E. A. et al. (1998). Independent folding and ligand specificity of the C2 calcium-dependent lipid binding domain of cytosolic phospholipase A ₂ . J. Biol. Chem. 273, 1365-1372
ne	D9	Nalefski, E. A., and Falke, J. J. (1998). Location of the membrane-docking face on the Ca ²⁺ -activated C2 domain of cytosolic phospholipase A ₂ . Biochemistry 37, 17642-17650
ne	D10	O'Byrne, P. M. (1997) Leukotrienes in the pathogenesis of asthma. Chest 111, 27S-34S
ne	D11	Otwinowski, Z. (1993). In Data Collection and Processing. L. Sawyer, N. Isaacs, and S. W. Bailey, eds. (Daresbury, U. K.: Science and Engineering Council), pp. 56-62
ne	D12	Perisic, O. et al. (1998). Crystal structure of a calcium-phospholipid binding domain from cytosolic phospholipase A ₂ . J. Biol. Chem. 273, 1596-1604
ne	D13	Pickard, R. T. et al. (1996). Identification of essential residues for the catalytic function of 85-dKa cytosolic phospholipase A ₂ . J. Biol. Chem. 271, 19225-19231

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

U.S. Pat. & Tm. Office	E1	Qiu, Z.-H. et al. (1998). The role of calcium and phosphorylation of cytosolic phospholipase A ₂ in regulating arachidonic acid release in macrophages. J. Biol. Chem. 273, 8203-8211
NE	E2	Rao, V. D. et al. (1998). Structure of type IIbeta phosphatidylinositol phosphate kinase: a protein kinase fold flattened for interfacial phosphorylation. Cell 94, 829-839
NE	E3	Reynolds, et al. (1993). Metal ion and salt effects on the phospholipase A ₂ , lysophospholipase, and transacylase activities of human cytosolic phospholipase A ₂ . Biochim. Biophys. Acta 1167, 272-280
NE	E4	Schievella, A. R. et al. (1995). Calcium-mediated translocation of cytosolic phospholipase A ₂ to the nuclear envelope and endoplasmic reticulum. J. Biol. Chem. 270, 30749-30754
NE	E5	Schrag, J. D. and Cyger, M. (1997). Lipases and hydrolase fold. Meth. Enzymol. 284, 85-107
NE	E6	Scott, D. L. et al. (1990). Interfacial catalysis: the mechanism of phospholipase A ₂ . Science 250, 1541-1546
NE	E7	Sharp, J. D. et al. (1991). Molecular cloning and expression of human Ca ²⁺ -sensitive cytosolic phospholipase A ₂ . J. Biol. Chem. 266, 14850-14853
NE	E8	Sharp, J. D. et al. (1994). Serine 228 is essential for catalytic activities of 85-kDa cytosolic phospholipase A ₂ . J. Biol. Chem. 269, 23250-23254
NE	E9	Simon, et al. (1998) Preliminary study of the safety and efficacy of SC-58635, a novel cyclooxygenase 2 inhibitor: efficacy and safety in two placebo-controlled trials in osteoarthritis and rheumatoid arthritis, and studies of gastrointestinal and platelet effects. Arthritis Rheum. 41:1591-1602
NE	E10	Tang, J. et al. (1997). A novel cytosolic calcium-independent phospholipase A ₂ contains eight ankyrin motifs. J. Biol. Chem. 272, 8567-8575
NE	E11	Tjoelker, L. W. et al. (1995). Anti-inflammatory properties of a platelet-activating factor acetylhydrolase. Nature 374, 549-553
NE	E12	Trimble, L. A. et al. (1993). NMR structural studies of the tight complex between a trifluoromethyl ketone inhibitor and the 85-kDa human phospholipase A ₂ . Biochemistry 32, 12560-12565
NE	E13	Underwood, K. W. et al. (1998). A novel calcium-independent phospholipase A ₂ , cPLA2-, that is prenylated and contains homology to cPLA2. J. Biol. Chem. 273, 21926-21932
NE	E14	Uozumi, N. et al. (1997). Role of cytosolic phospholipase A ₂ in allergic response and parturition. Nature 390, 618-622

Examiner

Date Considered

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